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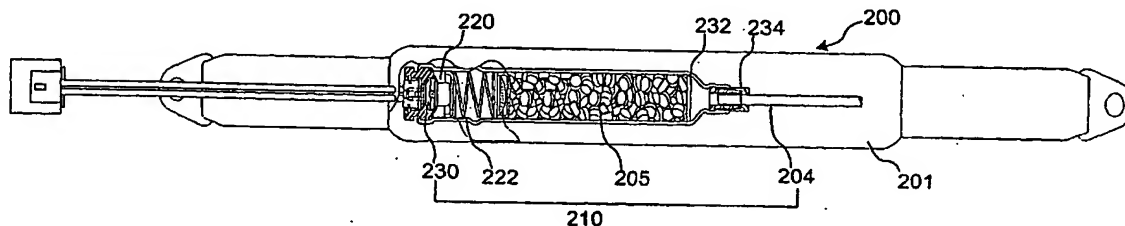
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(54) Title: **DISTRIBUTED CHARGE INFLATOR SYSTEM**



(57) Abstract: An inflatable system includes an inflatable component and an distributed charge inflator disposed in the inflatable component. The distributed charge inflator includes a first charge for generating inflating gas and a housing body connected to the first charge. The housing body includes an initiator and a second charge that has relatively long burn time. Upon receiving a signal from a sensor, the initiator ignites the first charge and the second charge simultaneously. The first charge inflates the inflatable component and the second charge sustains the inflation of the inflatable component.

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